

AUG 24 1976

Herbert G. Fish, Director
Office of Program Coordination, AES

LIVERMORE SUPPORT OF PROJECT INDALO

Over a period of years, Phil Dean of Livermore's Biomedical and Environmental Research Division has been working with the BER staff and with BER-supported scientists in Spain to make sure that instrumentation needs of Project Indalo are met. In his role as a technical adviser to Project Indalo scientists, Mr. Dean now visits the J.E.N. staff in Spain on a regular (roughly annual) basis as well as on other cases when emergency help is needed. In providing this service, Mr. Dean draws on various sorts of resources at LLL.

Given the essential role of instrumental analysis in assuring the success of Project Indalo, Mr. Dean makes every effort during his periodic visits in Spain to keep the J.E.N. scientists up-to-date on the use and maintenance of complex counting equipment and associated calibration standards. However, experience has demonstrated a need to supplement such efforts by providing intensive periods of specialized training in selected U.S. laboratories. In this connection, Mr. Dean called last week to inform me that Dr. A. G. de los Santos, who plays a central role in the Project Indalo analytical effort, would be able to visit the U.S. in October 1976 for the purpose of reviewing with American experts the latest techniques for measuring plutonium in biological samples. Mr. Dean recommends that Dr. Santos spend one week in each of three laboratories: NYU at Sterling Forest (Dr. Eisenbud, offsite contractor), LBL, and LLL. From a programmatic point of view, the BER technical staff strongly concurs with this proposal.

As you know, we are in the process of setting up a line item (NT 01 01, #2335) in Livermore's FY 1977 budget to cover special Indalo-related expenses, including unscheduled costs of the type that would arise from the proposed visit. Since a BER Program Plan for FY 1977 has not yet been approved, however, commitments for an October 1976 visit by Dr. Santos must be made before the availability of these funds is assured. After discussing this problem with you on August 16, 1976, I contacted Mr. Dean to inform him of the situation and decide on a course of action. In view of the need for immediate action and the

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modest costs involved, it was agreed that he would proceed immediately with the task of making arrangements for the Santos visit. It is possible that a part of the travel costs will be covered by the BER contract with the J.E.N., and we anticipate that there will be adequate funds in LLN's FY 1977 budget to cover any expenses not charged to the J.E.N. contract.

Because of special security considerations, I am asking Norman Brand, OIPI/OAIA, by copy of this memorandum, to check on the feasibility of the proposed visits by Dr. Santos to the Los Alamos and Livermore facilities.

The matter of foreign travel ceiling is under discussion with the Office of Program Coordination (OACS) and with OIPI/OAIA.

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BP→Livermore Contract File ✓
Project Indalo Contract File

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